IAP15 Rec'd PCT/PTO 12 SEP 2006

PTO-1390 (Rev. 07-2005) Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES

ATTORNEY'S DOCKET NUMBER 095309.56876US

~		SIGNATED/ELECTED OFFICE (•	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)						
U(JNCE	RNING A SUBMISSION UNDE	K 35 U.S.C. 3/1		10/552,263					
INTE	RNATIO	DNAL APPLICATION NO.	INTERNATIONAL FILING DATE February 25, 2004		PRIORITY DATE CLAIMED					
TITLE	OF IN	PCT/EP2004/01824	Februar	y 25, 2004	April 5, 2003					
***************************************	EXHAUST GAS AFTERTREATMENT DEVICE AND METHOD									
APPLICANT(S) FOR DO/EO/US										
Annli	Frank DUVINAGE, et al.									
1.		erewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.								
2.										
3.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin notional examination procedures (35 U.S.C. 371(6)). The submission must include items (5) (6) (9)								
U .		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.								
4.		The US has been elected (Article 31).								
5.		A copy of the International Application	as filed (35 U.S.C. 371(c)(2))						
		a. is attached hereto (required	d only if not communicat	ed by the International B	ureau).					
		b. has been communicated by	y the International Burea	au.						
		c. Is not required, as the appli	ication was filed in the U	Inited States Receiving C	Office (RO/US).					
6.		An English language translation of the	International Application	as filed (35 U.S.C. 371(c)(2)).					
		a. is attached hereto.								
		b. has been previously submit	tted under 35 U.S.C. 15	4(d)(4).						
7.		Amendments to the claims of the Intern	national Application unde	er PCT Article 19 (35 U.S	S.C. 371(c)(3))					
		a. are attached hereto (require	ed only if not communic	ated by the International	Bureau).					
		b. have been communicated to	by the International Bure	eau.						
		c. have not been made; however, the time limit for making such amendments has NOT expired.								
		d. have not been made and w	vill not be made.							
8.		An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).								
9.	\boxtimes	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (One (1) page).								
10.		An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).								
	Items	s 11 to 20 below concern document(s) or information included:								
11.		An Information Disclosure Statement under 37 CFR 1.97 and 1.98.								
12.		An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.								
13.		A preliminary amendment.								
14.		An Application Data Sheet under 37 CFR 1.76.								
15.		A substitute specification.								
16.		A power of attorney and/or change of address letter.								
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.								
18.		A second copy of the published International Application under 35 U.S.C. 154(d)(4).								
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).								
20.	\boxtimes	Other items or information: A copy of the Notification of Missing Requirements dated June 14, 2006; Petition for (one month) Extension of Time.								

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO-1390 (Rev. 02-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)			INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER		
	10/552,263 PCT/EP2004/01824			/01824	095309.56876US		
		ave been submitte				CALCULATIONS	PTO USE ONLY
	ic national fee (3	7 C.F.R. §1.492(a))		\$300.00	\$	
	•	C.F.R. §1.492(c))					
			ernational preliminary				
examination	report prepared	by IPEA/US indic	ates all claims satisfy		\$0.00		
						\$	
	rch fee (37 C.F.F			•••••	\$200.00		
		•	nal preliminary examina	tion			
report prepa	red by IPEA/US	indicates all clain	ns satisfy provisions of P	CT			
			······································		\$0		
			the international applica				
		_	hority		· ·		
			ner than the US and prov US by the IB				
						\$	
		L OF 21, 22 AND				\$	
Additional fo						Ψ	
			led in paper over 100 sh iled in an electronic med				
		sheets of paper or		2107117.	110 100 13		
Total Sheets	Extra Sheets	Number of each	additional 50 or fraction	n	RATE		
		thereof (round t	p to a whole number)			_	
- 100	/ 50 =	L			x 250	\$	
Surcharge of \$13 claimed priority d			laration later than 30 me	onths fro	om the earliest	\$	
CLAIMS		BER FILED	NUMBER EXTRA	Ī	RATE	Ψ	
			NOWIDER EXTRA				
Total claims		- 20		<u> </u>	x 50	\$	
Independent cla		- 3		ļ	x 200	\$	
MULTIPLE DEP	ENDENT CLAIM	(S) (if applicable)		<u> </u>	+ 360	\$	
			TOTAL OF ABO	OVE CA	LCULATIONS =	\$	
Applicant cla	ims small entity s	status. See 37 CF	R 1.27. Fees above are	e reduce	ed by 1/2.		
					SUBTOTAL =	\$	
Processing fee o	f \$130.00 for furn	ishing the English	n translation later than 3	0 month	ns from the		
	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i))+						
			TC	OTAL N	ATIONAL FEE =	\$	
Fee for recording	the enclosed as	signment (37 CFI	R 1.21 (h)). The assignm	nent mu	st be		
accompanied by	an appropriate c	over sheet (37 CF	R 3.28, 3.31). \$40.00 p			\$	
			τοτ	AL FEE	S ENCLOSED =	\$_	
						Amount to be refunded:	\$
						Amount to be	3
						charged:	\$
a. A chec	k in the amount	of \$ to cover th	e above fees is enclose	ed.	· · · · · · · · · · · · · · · · · · ·		
			5-1323 (Attorney Dock	ket No.	095309.56876US)	in the amount of \$ to	cover the above fees.
A dupl	licate copy of th	is sheet is enclo	sed.				
c. 🔯 The Co	ommissioner is he	ereby authorized	to charge any additional	l fees wi	nich may be requir	ed, or credit any overpay	ment to Deposit
			No. 095309.56876US).				mont to Dopoon
		-		•			
						e public. Credit card inf	formation should not
be included on this form. Provide credit card information and authorization on PTO-2038.							
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed							
and granted to restore the International Application to pending status.							
SEND ALL CORI		TO:		The	10017	11/11	
	II & Moring, LLP				VI DE VIEW OR		
	tual Property Gr	oup		SIGNATURE			
	ox 14300				Gary R. Edwards/Mark H. Neblett NAME		
t e e e e e e e e e e e e e e e e e e e	ngton, D.C. 2004				VIE 24/42,028		
). (202) 624-2500). (202) 628-8844				SISTRATION NUM	/BER	
	Fax No. (202) 628-8844 September 12, 2006 GRE/shw (doc no. 2837596v1)						
GRESTW (GOC NO. 2	GRE/stw (doc no. 2837596v1) DATE						

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 095309.56876US DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (If known, see 37 CFR 1.5) **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** 10/552,263 INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED INTERNATIONAL APPLICATION NO. April 5, 2003 PCT/EP2004/01824 February 25, 2004 TITLE OF INVENTION **EXHAUST GAS AFTERTREATMENT DEVICE AND METHOD** APPLICANT(S) FOR DO/EO/US Frank DUVINAGE, et al. Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 1 This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 2. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) 3 and (21) indicated below. 4. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. b. Is not required, as the application was filed in the United States Receiving Office (RO/US). C. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). 6. is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). b. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) 7. are attached hereto (required only if not communicated by the International Bureau). а have been communicated by the International Bureau. b. П have not been made; however, the time limit for making such amendments has NOT expired. C. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 8. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (One (1) page). 9. 図 An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 10. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 11. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 12. 13. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. 14. A substitute specification. 15. 16. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 17. A second copy of the published International Application under 35 U.S.C. 154(d)(4). 18. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 19.

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

20.

M

of Time

Other items or information: A copy of the Notification of Missing Requirements dated June 14, 2006; Petition for (one month) Extension

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. U.S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. ATTORNEY'S DOCKET NUMBER 095309.56876US 10/552,263 PCT/EP2004/01824 CALCULATIONS The following fees have been submitted PTO USE ONLY Basic national fee (37 C.F.R. §1.492(a))......\$300.00 21. \$ 22. Examination fee (37 C.F.R. §1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0.00 \$ All other situations\$200.00 Search fee (37 C.F.R. §1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.......\$400 All other situations \$\$500 TOTAL OF 21, 22 AND 23 = \$ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. Number of each additional 50 or fraction **Total Sheets** Extra Sheets RATE thereof (round up to a whole number) / 50 = \$ - 100 x 250 Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)). \$ NUMBER FILED **CLAIMS NUMBER EXTRA** RATE Total claims X 50 \$ Independent claims - 3 200 \$ х MULTIPLE DEPENDENT CLAIM(S) (if applicable) 360 \$ TOTAL OF ABOVE CALCULATIONS = \$ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. SUBTOTAL = \$ Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). \$ **TOTAL NATIONAL FEE =** \$ Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property.....+ \$ **TOTAL FEES ENCLOSED =** \$ Amount to be refunded: Amount to be charged: to cover the above fees is enclosed. A check in the amount of \$ Please charge my Deposit Account No. 05-1323 (Attorney Docket No. 095309.56876US) in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 05-1323 (Attorney Docket No. 095309.56876US). A duplicate copy of this sheet is enclosed. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Crowell & Moring, LLP Intellectual Property Group SIGNATURE P.O. Box 14300 Gary R. Edwards/Mark H. Neblett NAME Washington, D.C. 20044-4300 31,824/42,028 Tel. No. (202) 624-2500 REGISTRATION NUMBER Fax No. (202) 628-8844 September 12, 2006 GRE/stw (doc no. 2837596v1) DATE



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERC United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS Alexandria, Virginis 22313-1450 www.uspto.gov

U.S. APPLICATION NUMBER NO.

FIRST NAMED APPLICANT

ATTY. DOCKET NO.

10/552,263

Frank Duvinage

095309.56876US INTERNATIONAL APPLICATION NO.

PCT/EP04/01824

I.A. FILING DATE

PRIORITY DATE

02/25/2004

04/05/2003

23911 **CROWELL & MORING LLP** INTELLECTUAL PROPERTY GROUP P.O. BOX 14300 WASHINGTON, DC 20044-4300

CONFIRMATION NO. 6775 371 FORMALITIES LETTER

OC000000019256053

Date Mailed: 06/14/2006

Resp to Msg Reg Doc 8/14/06 NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 10/05/2005
- English Translation of the IA filed on 10/05/2005
- Copy of the International Search Report filed on 10/05/2005
- Preliminary Amendments filed on 10/05/2005
- Information Disclosure Statements filed on 10/05/2005
- U.S. Basic National Fees filed on 10/05/2005
- Substitute Specification filed on 10/05/2005
- Priority Documents filed on 10/05/2005
- Specification filed on 10/05/2005
- Claims filed on 10/05/2005
- Abstracts filed on 10/05/2005
- Drawings filed on 10/05/2005

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

• Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

GRE

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

KAREN R MCLEAN

Telephone: (703) 308-9140 EXT 214

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.			
10/552,263	PCT/EP04/01824	095309.56876US			

FORM PCT/DO/EO/905 (371 Formalities Notice)

Page 2 of 2